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L3 ANSWER 103 OF 379 CA COPYRIGHT 2004 ACS on STN

AN 134:315030 CA

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TI Treatment of **fly ash** for **cement** and concrete

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PA Peop. Rep. China

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CODEN: CNXXEV

DT Patent

LA Chinese

IC ICM C04B007-26

ICS C04B018-08

CC 58-1 (Cement, Concrete, and Related Building Materials)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1274693	A	20001129	CN 2000-112311	20000531
	CN 1115309	B	20030723		
PRAI	CN 2000-112311			20000531	

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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CN 1274693	ICM	C04B007-26
	ICS	C04B018-08

AB The process comprises mixing **fly ash** 65-87.5, **Ca(OH)2**-contg. industrial residue (such as acetylene residue), **CaO**, or **Ca(OH)2** 10-25 (as **CaO**), chem. gypsum 2.5-20 (as **SO3**), and **zeolite** 0-5 wt.%, adding 30 wt.% water, forming, curing, heating to 500.degree. in 10-20 h, heating to 700-900.degree. in 2-6 h, and cooling. The title treatment can improved the gelation property and early strength of the **cement**.

ST flyash treatment **cement** concrete; industrial residue calcia treatment flyash; calcium hydroxide gypsum **zeolite** treatment flyash

IT Ashes (residues)

(fly; treatment of **fly ash** for **cement** and concrete)

IT Solid wastes

(industrial residue, starting material; for treatment of **fly ash** for **cement** and concrete)

IT Zeolites (synthetic), processes

RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)

(starting material; for treatment of **fly ash** for **cement** and concrete)